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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/903,750	07/13/2001	Hiroaki Itagaki	211145US0	2048		
22850	22850 7590 11/10/2003			EXAMINER		
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			WEINER, LAURA S			
1940 DUKE STREET ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER		
			1745 DATE MAILED: 11/10/2003			

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	•			
	09/903,750	ITAGAKI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Laura S Weiner	1745				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	6(a). In no event, however, may a reply be tin within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).	<i>(</i> ************************************			
1) Responsive to communication(s) filed on 26 S	September 2003 .					
2a)⊠ This action is FINAL . 2b)□ Thi	s action is non-final.					
3) Since this application is in condition for allowa closed in accordance with the practice under I Disposition of Claims	nce except for formal matters, presented in the property of the control of the co	rosecution as to the merits is 453 O.G. 213.				
4) Claim(s) 1-20 is/are pending in the application	•					
4a) Of the above claim(s) is/are withdraw	vn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1,2,4,7-16,19 and 20</u> is/are rejected.						
7)⊠ Claim(s) <u>3,5,6,17 and 18</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or Application Papers	election requirement.	· ·- ·- · · · · · · · · · · · · · · · ·				
9) The specification is objected to by the Examine	:					
10) The drawing(s) filed on is/are: a) accep	ted or b)□ objected to by the Exa	miner.				
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. S	ee 37 CFR 1.85(a).				
11)☐ The proposed drawing correction filed on	is: a)☐ approved b)☐ disappro	oved by the Examiner.				
If approved, corrected drawings are required in rep	ly to this Office action.					
12)☐ The oath or declaration is objected to by the Ex	aminer.					
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a	a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents	s have been received.					
2. Certified copies of the priority documents	s have been received in Applicat	ion No				
3. Copies of the certified copies of the prior application from the International But See the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).					
14) Acknowledgment is made of a claim for domesti	•		n).			
a) ☐ The translation of the foreign language pro 15)☐ Acknowledgment is made of a claim for domesti	visional application has been red	ceived.				
Attachment(s)	. ,					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)				

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-2, 4, 7-16, 19-20 has been considered but are moot in view of the new ground(s) of rejection.

Election/Restriction

2. The examiner finds the species 2, 6-di-tert-butyl-4-methylpyridine allowable and found when R1 to R5 represents a hydrogen atom or a substituent composed of an alkyl group having 1-20 carbon atoms and where at least one of R1 to R5 is an alkyl group having 4 or more atoms is also allowable (claim 3). A new species was searched and prior art has been applied. The species is when R1 to R5 is an alkenyl group having 2 to 20 carbon atoms.

Double Patenting

4. Claim 4 is objected to under 37 CFR 1.75 as being a substantial duplicate of claim 3. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

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Claim Rejections - 35 USC § 112

5. Claims 7-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is still unclear how claims 7-8 further limit claim 1 from which the claims depend from.

Claim Rejections - 35 USC § 102

6. Claims 1-2, 7-9, 11-16, 19-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Shimizu (6,291,107).

Shimizu teaches in column 2, lines 16-62, a battery comprising an anode of carbonaceous material, a cathode comprising at least one composite oxide comprising at least on transition metal selected from cobalt, manganese and nickel and a nonaqueous electrolyte comprising at least one monomer capable of anionic polymerization (an anionic polymerization monomer) which an organic compound represented by formula 1 or 2 such as 2-vinylpyridine. Shimizu teaches in column 4, lines 38-40, that the salts can be LiPF6, LiAsF6, LiBF4, etc.

Claim Rejections - 35 USC § 103

7. Claim 10 is rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Shimizu (6,291,107).

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Shimizu teaches in column 2, lines 16-62, a battery comprising an anode of carbonaceous material, a cathode comprising at least one composite oxide and a nonaqueous electrolyte comprising at least one monomer capable of anionic polymerization (an anionic polymerization monomer) which an organic compound represented by formula 1 or 2 such as 2-vinylpyridine.

Since Shimizu teaches the same electrolyte comprising an organic solvent, a lithium salt and the same pyridine compound then inherently the same pyridine compound exhibiting a bonding energy of 16 Kcal/mol or more with hydrofluoric acid must also be obtained.

In addition, the presently claimed property of a pyridine compound having a bonding energy of 16 Kcal/mol or more with HCL would have obviously have been present once the Shimizu product is provided. *In re Best, 195 USPQ 433 (CCPA 1977)*.

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Allowable Subject Matter

8. Claims 3, 5-6, 17-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

2. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S Weiner whose telephone number is 703-308-4396. The examiner can normally be reached on M-F (7:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 703-308-2383. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Laura S Weiner Primary Examiner

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November 5, 2003